

BUCK/BOOST CONVERTER

ABSTRACT OF THE DISCLOSURE

A buck/boost converter having an input and an output, a switching cell with a switch between the input and the output, and a selector selectively configuring the switching cell into at least two configurations from among the following: a parallel chopper configuration, a series chopper configuration, or an inductive-storage chopper configuration, the cell using the same switch in all the configurations. The converter has a single switch for various modes of operation of the converter.